

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N33/574 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N C12Q

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Documenta	tion searched other than minimum documentation to the extent the	at such documents are included in the fields s	earched
	ata base consulted during the International search (name of data	base and, where practical, search terms used	d)
EPO-In	ternal, BIOSIS, WPI Data, EMBASE		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the	relevant passages	Relevant to claim No.
Y	DATABASE BIOSIS [Online] BIOSCIENCES INFORMATION SERVICE PHILADELPHIA, PA, US; 16 November 2002 (2002-11-16), SCHNITTGER SUSANNE ET AL: "Acut Leukemia (AML) with Partial Tan Duplication of the MLL-Gene (ML Be Discriminated from MLL-Trans Based on Specific Gene Expressi Profiles." XP002270207 Database accession no. PREV2003 abstract	e Myeloid dem L-PTD) Can locations on	1-27
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed i	n annex.
"A" documer conside "E" earlier do filing da "L" documen which is citation: "O" documer other m "P" documen later tha	it which may throw doubts an priority claim(s) or clied to establish the publication date of another or or other special reason (as specified) It referring to an oral disclosure, use, exhibition or	"T" later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an inventive and inventive an inventive and involve an involve and involve and indocument is combined with one or moments, such combination being obvious in the art. "8" document member of the same patent to	mational filing date the application but acoust underlying the lalmed invention be considered to cument is taken alone lalmed invention rentive step when the re other such docutast to a person skilled lamily
or une ac	Competion of the international search	Date of mailing of the international sear	ch report
3	March 2005	0 9 06. 2005	
Name and ma	aling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer Thumb, W	



Internacio	onal Application No
PCT/	EP2004/012464

		PC1/EP2004/012464		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to daim No.		
	& BLOOD, vol. 100, no. 11, 16 November 2002 (2002-11-16), page Abstract No. 1202, 44th Annual Meeting of the American Society of Hematology; Philadelphia, PA, USA; December 06-10, 2002 ISSN: 0006-4971			
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Υ	WO 03/039443 A (DEUTSCHES KREBSFORSCH; HAFERLACH TORSTEN (DE); EILS ROLAND (DE); K) 15 May 2003 (2003-05-15) the whole document in particular Examples 4, 6 and 7	1-27		
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International Application No PCT/EP2004/012464

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INTERNATIONAL SEARCH REPORT

International application No. PCT/EP2004/012464

David Alexander and Alexander
Box IÌ Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Glaims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Article 52 (2)(d) EPC - Presentation of information
The claims were only searched with regards to the underlying method of generating a reference data base for distinguishing leukemia subtypes. 2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
The state of the s
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of Invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
A [] A
1. As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report
covers only those claims for which fees were paid, specifically claims Nos.:
\cdot
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
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1-27 (partially)
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27 (partially)

A method for distinguishing MLL-PTD-positive AML from other AML subtypes, the method comprising determining the expression level of the marker AAK1. Use of said marker for the manufacture of a diagnostic. A diagnostic kit containing said marker and an apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression level of AAK1.

2. claims: 1-27 (all partially)

Inventions 2-1100
Methods for distinguishing MLL-PTD-positive AML from other AML subtypes and methods for distinguishing specific subtypes against all other subtypes and against each other, the method comprising determining individually the expression level of the markers listed in table 1.1, positions 2-50, and in tables 2-3. Use of said markers for the manufacture of diagnostics. Diagnostic kits containing said markers and apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression levels of said markers.

IN RNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/012464

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WO 03039443	Α	15-05-2003	EP WO EP	1308522 A1 03039443 A2 1470247 A2	07-05-2003 15-05-2003 27-10-2004
EP 1043676	A	11-10-2000	CA EP JP US US	2304876 A1 1043676 A2 2001017171 A 2003017481 A1 6647341 B1 2003073083 A1	09-10-2000 11-10-2000 23-01-2001 23-01-2003 11-11-2003 17-04-2003